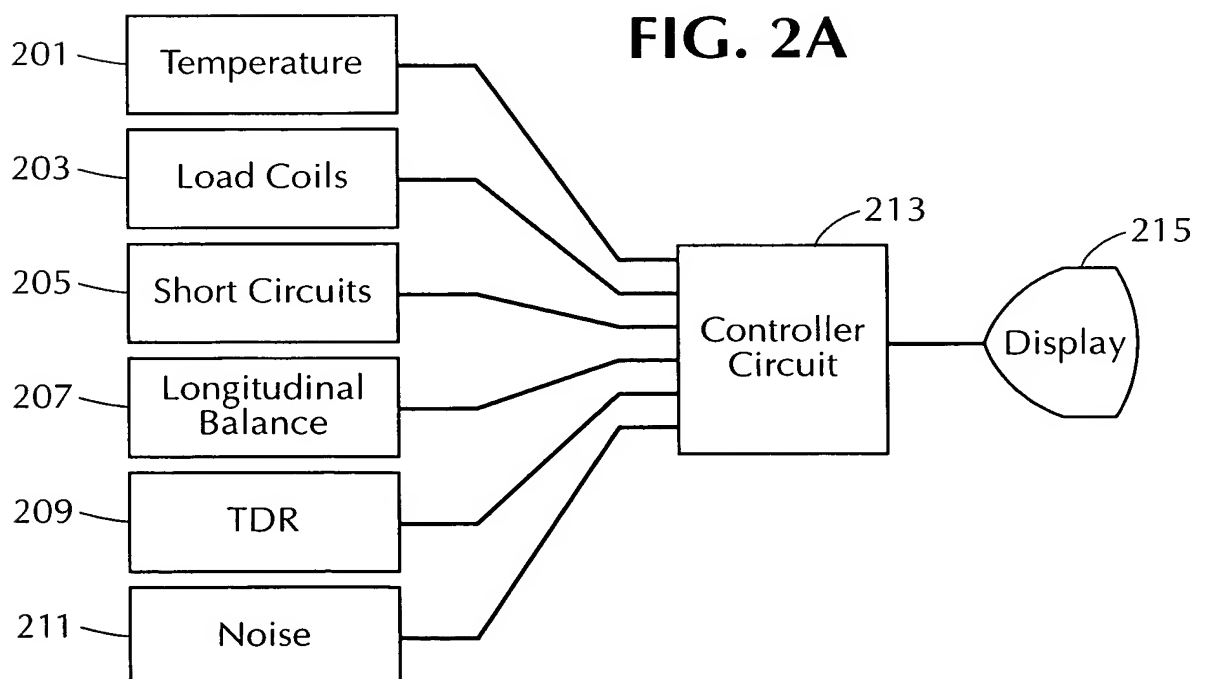


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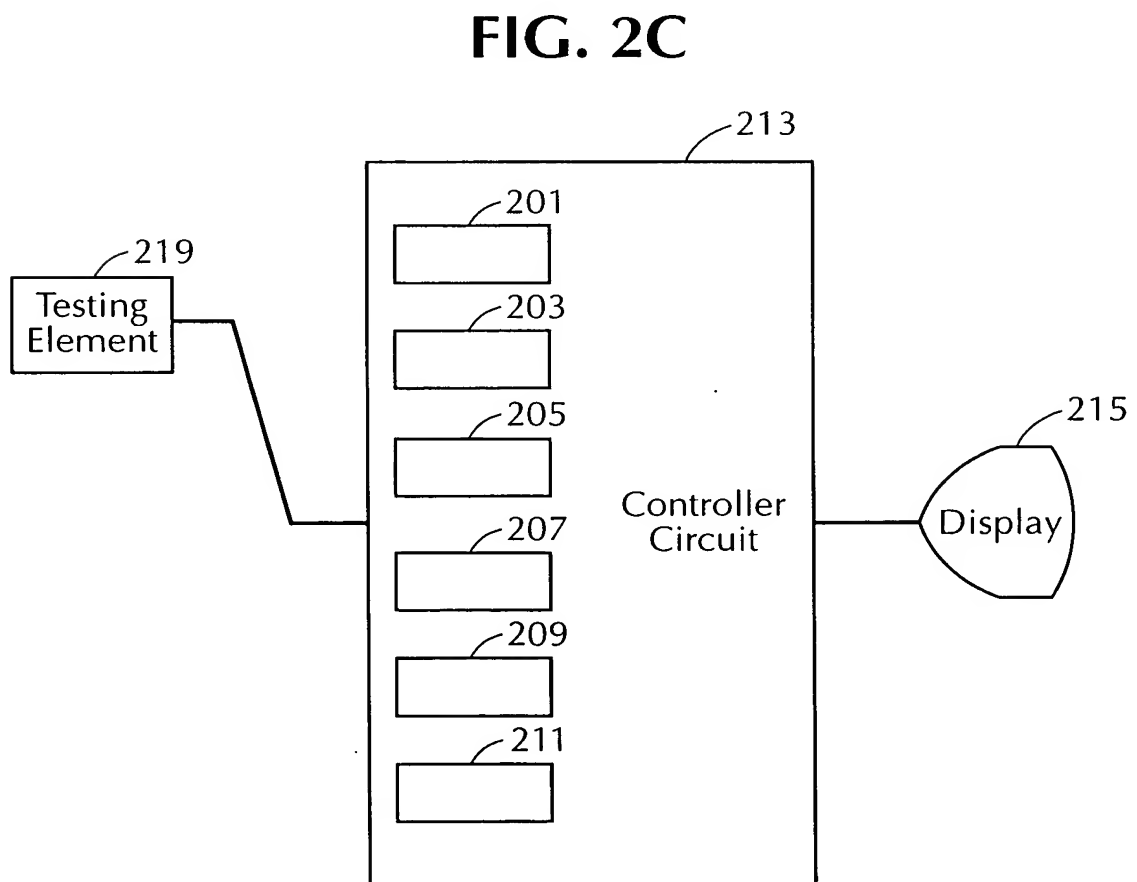
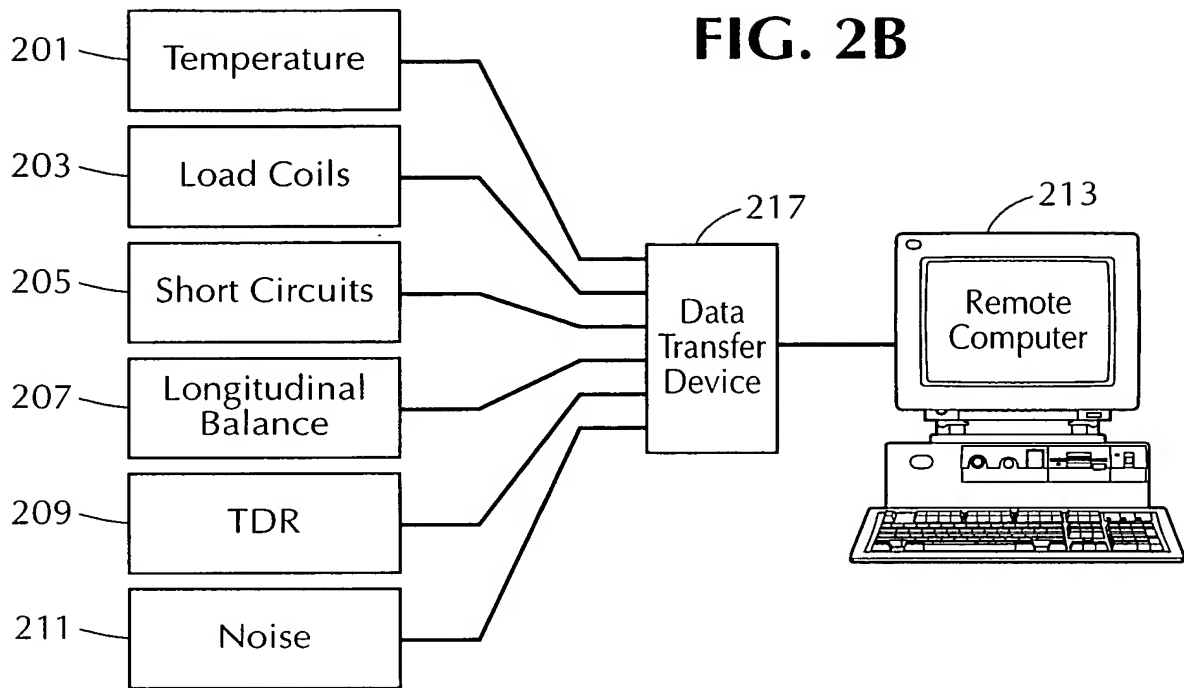


FIG. 3

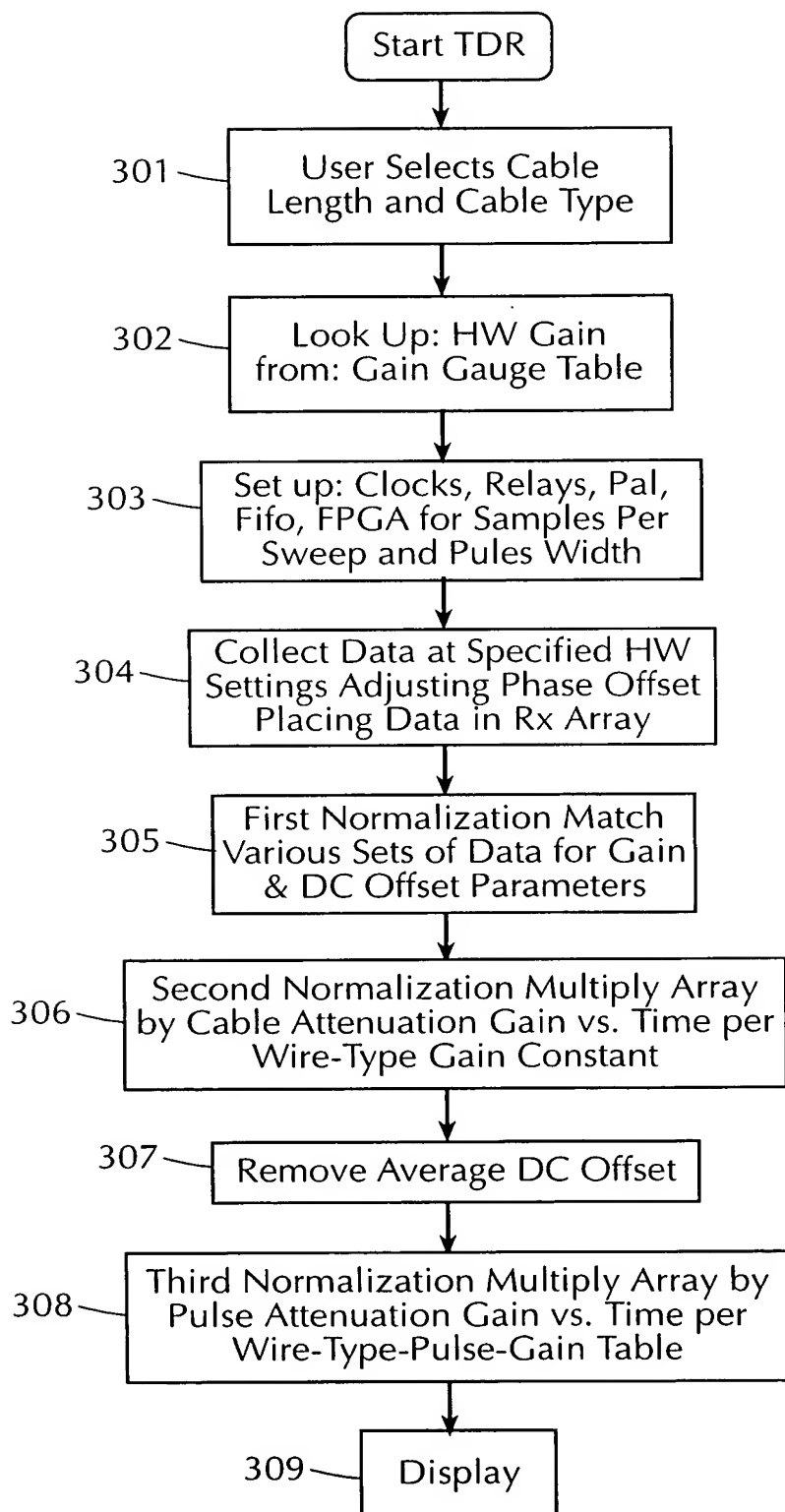
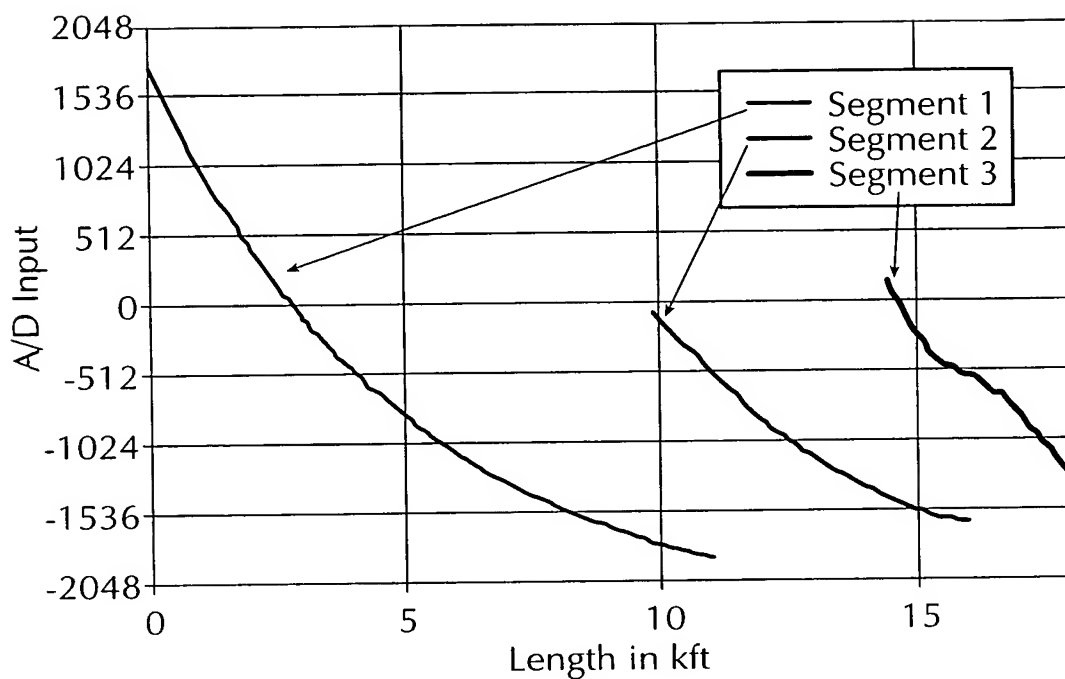
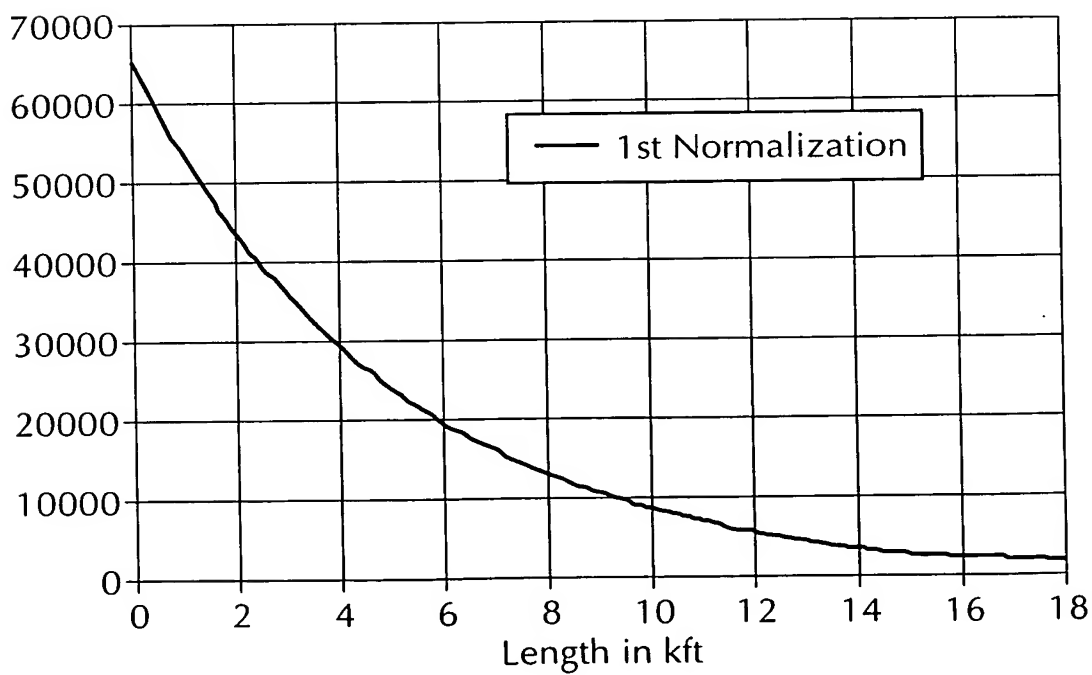


FIG. 4

User Selected Gauge	User Selected Length	PW	1st Segment		2nd Segment		3rd Segment	
			Start Length	End Length	TDR_HW Gain (dB)	Start Length	End Length	TDR_HW Gain (dB)
19AWG	0-6Kft	250nS	0	6,000	0	na	na	na
22AWG	0-6Kft	250nS	0	5,000	0	4,000	na	na
24AWG	0-6Kft	250nS	0	4,000	0	3,440	na	na
26AWG	0-6Kft	250nS	0	3,000	0	2,400	na	na
19AWG	7-9Kft	469nS	0	9,000	0	na	na	na
22AWG	7-9Kft	469nS	0	8,000	0	7,200	na	na
24AWG	7-9Kft	469nS	0	6,000	0	5,400	na	na
26AWG	7-9Kft	469nS	0	5,000	0	4,500	7,200 9,000	na 24
19AWG	10-13Kft	1000nS	0	13,000	0	na	na	na
22AWG	10-13Kft	1000nS	0	11,000	0	8,800	na	na
24AWG	10-13Kft	1000nS	0	9,000	0	8,100	na	na
26AWG	10-13Kft	1000nS	0	7,000	0	6,300	9,900 13,000	na 24
19AWG	14-18Kft	3000nS	0	18,000	0	na	na	na
22AWG	14-18Kft	3000nS	0	18,000	0	na	na	na
24AWG	14-18Kft	3000nS	0	15,000	0	13,500	na	na
26AWG	14-18Kft	3000nS	0	11,000	0	9,900	14,400 18,000	na 24

+

FIG. 5A**FIG. 5B**

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FIG. 6A

Gauge	Kg2@pw =250nS	Kg2@pw =469nS	Kg2@pw =1000nS	Kg2@pw =3000nS
19	9,342	13,270	17,499	20,839
22	7,206	10,196	13,305	15,068
24	6,008	8,503	11,009	12,001
26	4,855	6,858	8,790	8,804

FIG. 6B

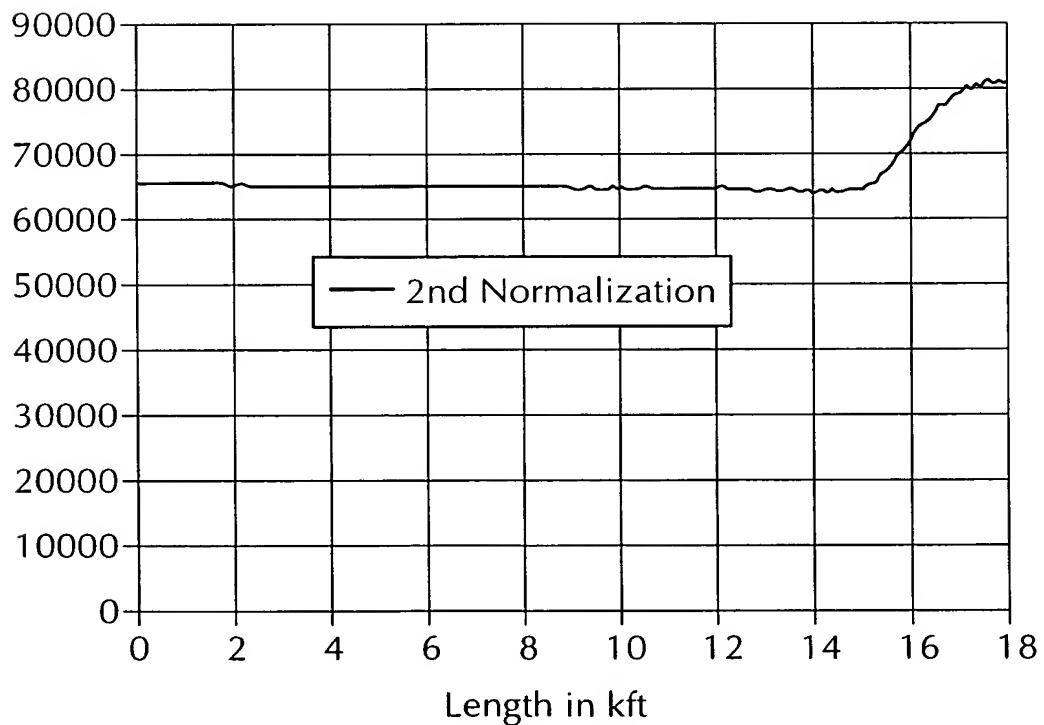
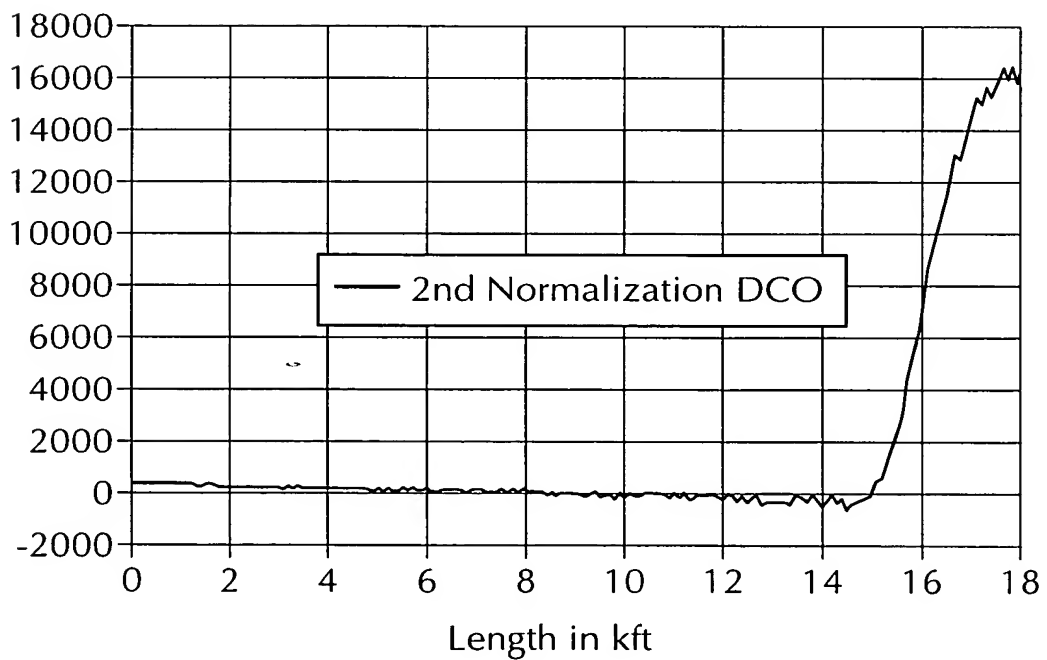


FIG. 7A

Wire Gauge	Offset_2nd_Norm pw=250nS	Offset_2nd_Norm @pw=469nS	Offset_2nd_Norm @pw=1000nS	Offset_2nd_Norm @pw=3000nS
19	50,600	71,877	94,785	112,879
22	39,035	55,229	72,067	81,621
24	32,541	46,057	59,634	65,005
26	26,297	37,147	47,613	47,690

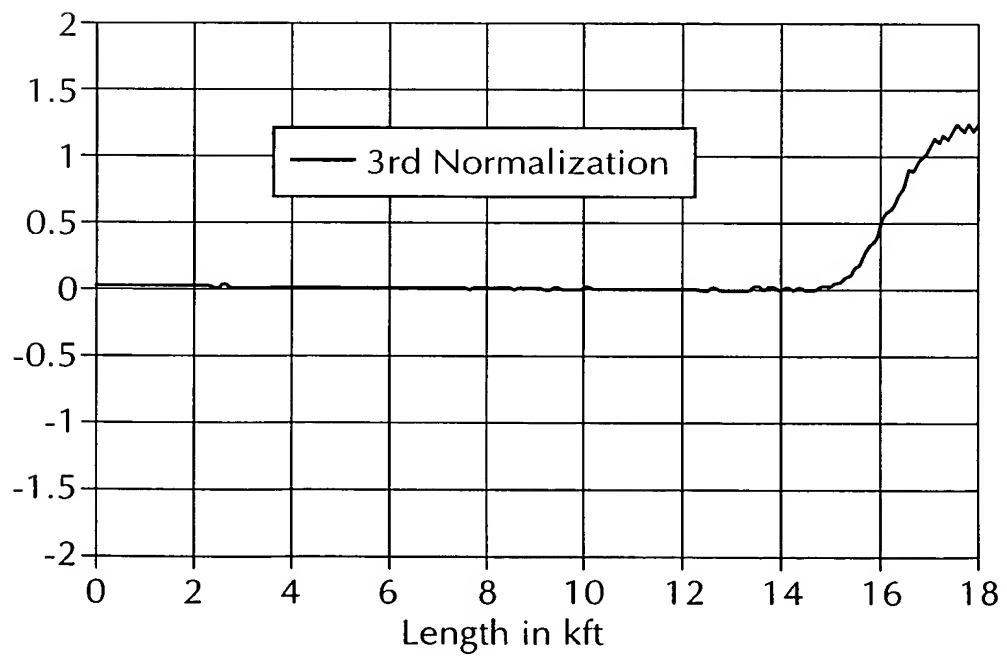
FIG. 7B



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FIG. 8A

Gauge	Kg3@pw =250nS	Kg3@pw =469nS	Kg3@pw =1000nS	Kg3@pw =3000nS
19	6,988	15,605	20,667	48,647
22	5,390	11,991	15,713	35,176
24	4,494	9,999	13,002	28,015
26	3,631	8,065	10,381	20,553

FIG. 8B

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FIG. 9A
Prior Art

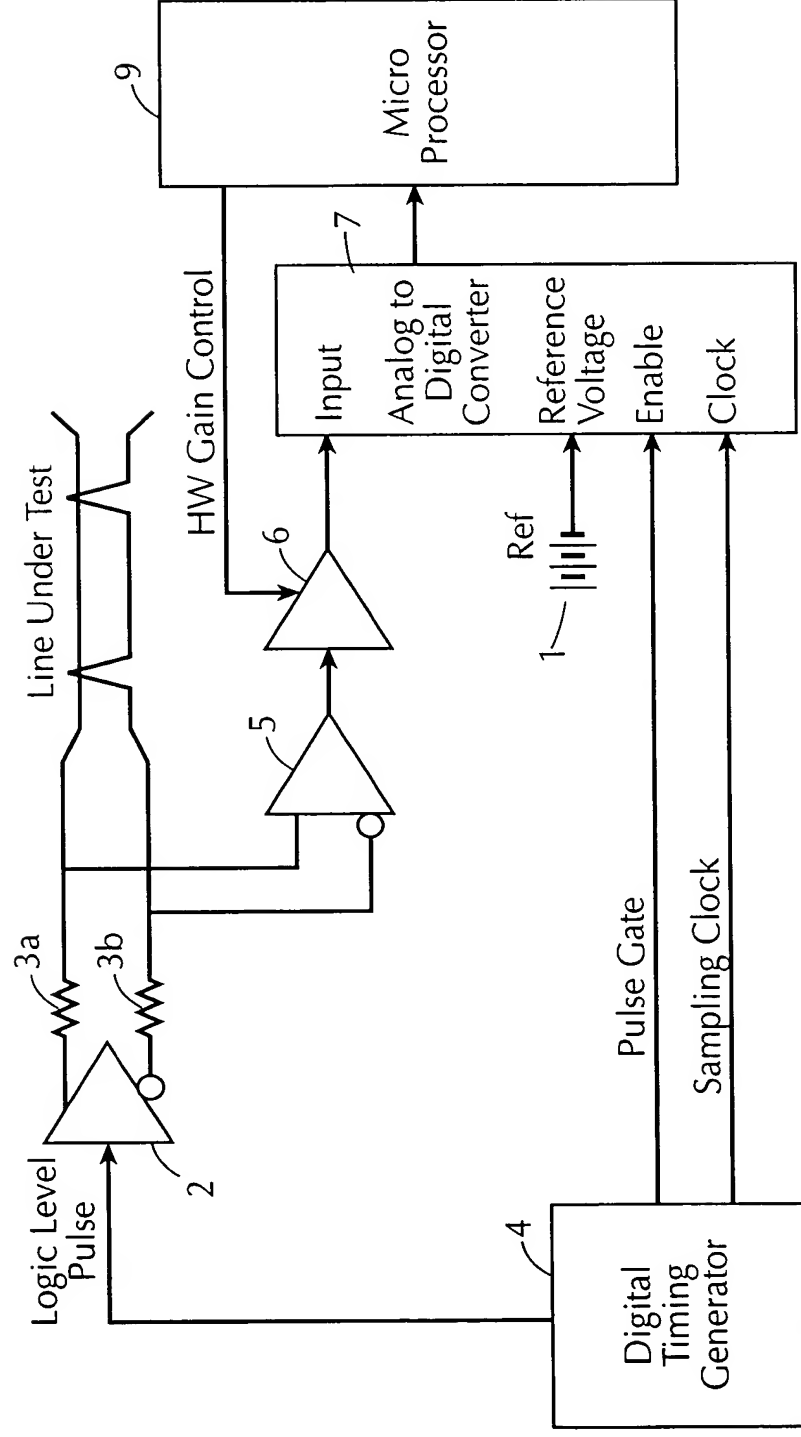


FIG. 9B

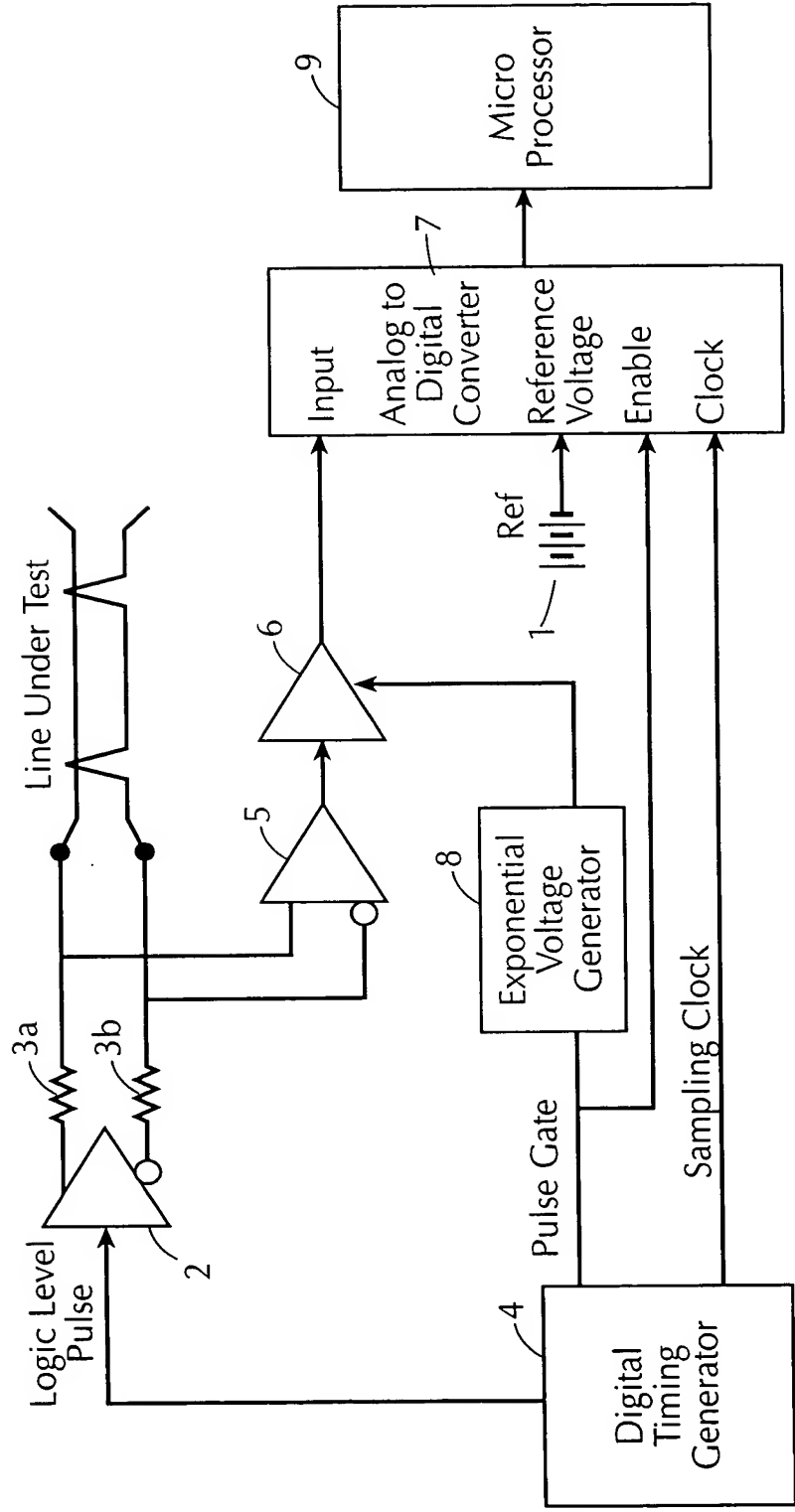


FIG. 9C

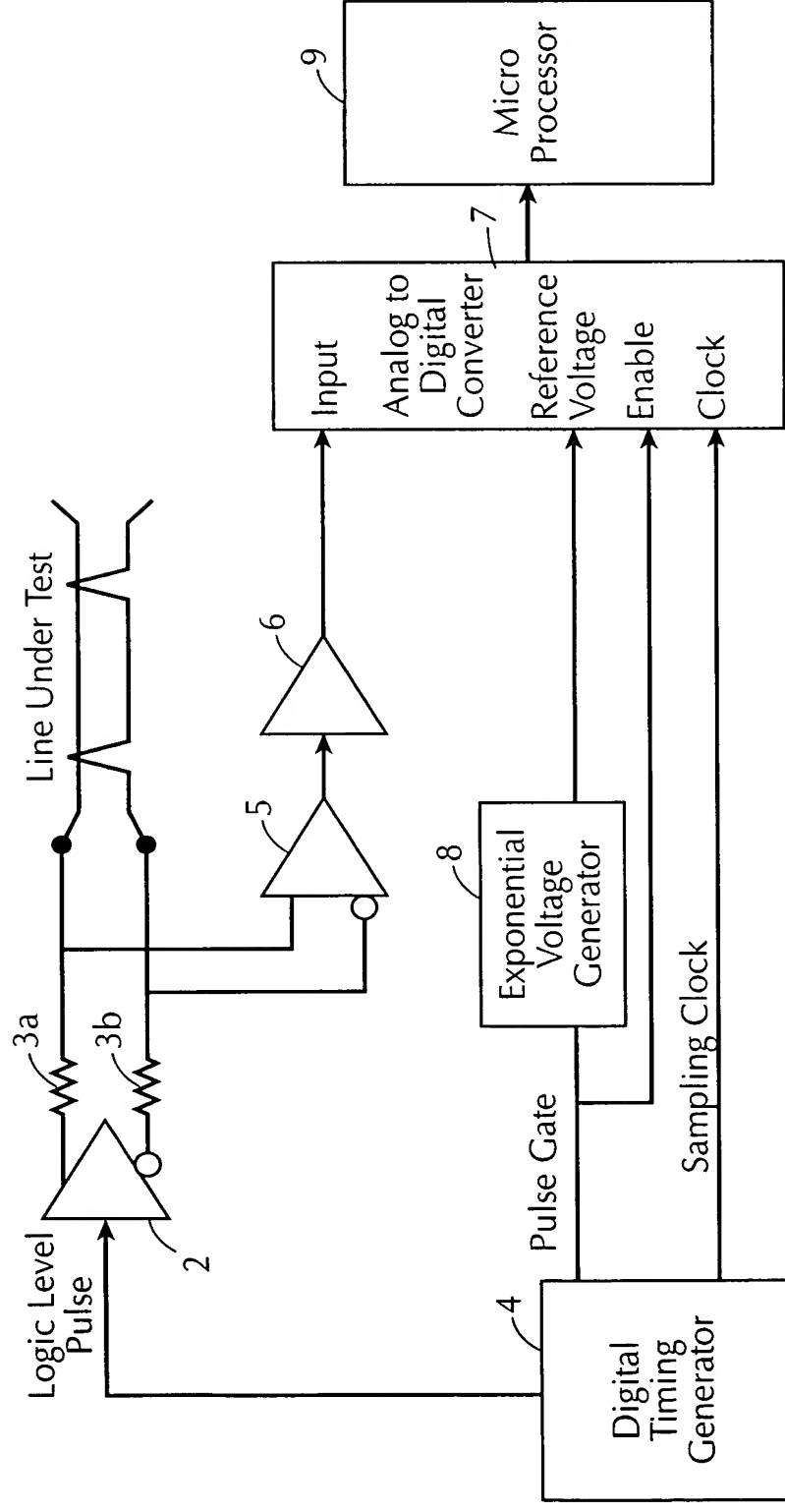


FIG. 9D

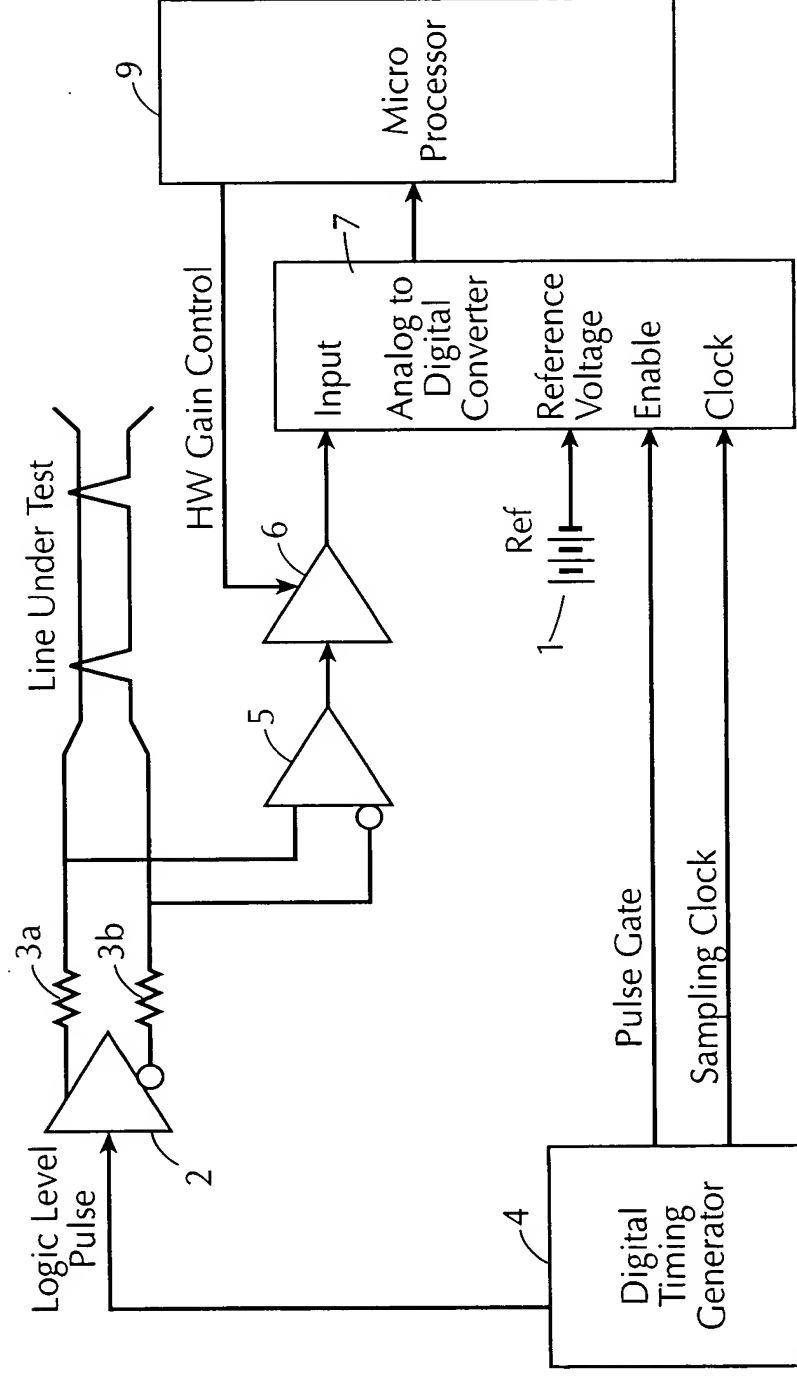


FIG. 10

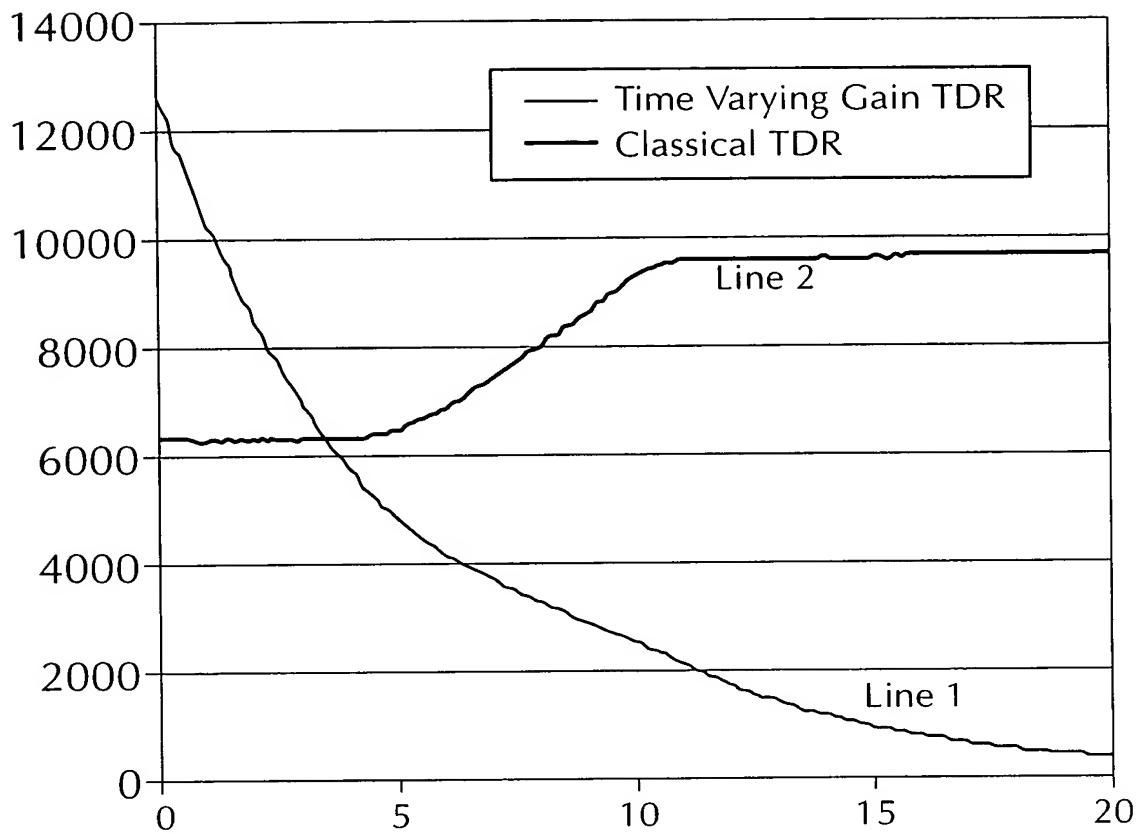


FIG. 11

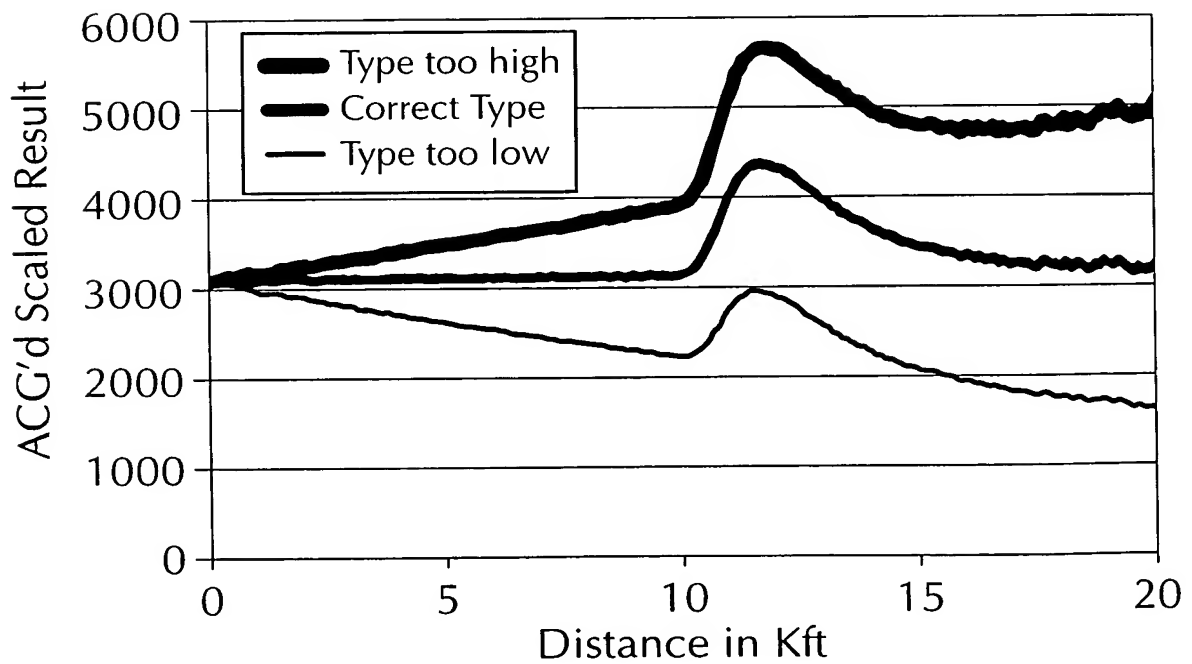


FIG. 12

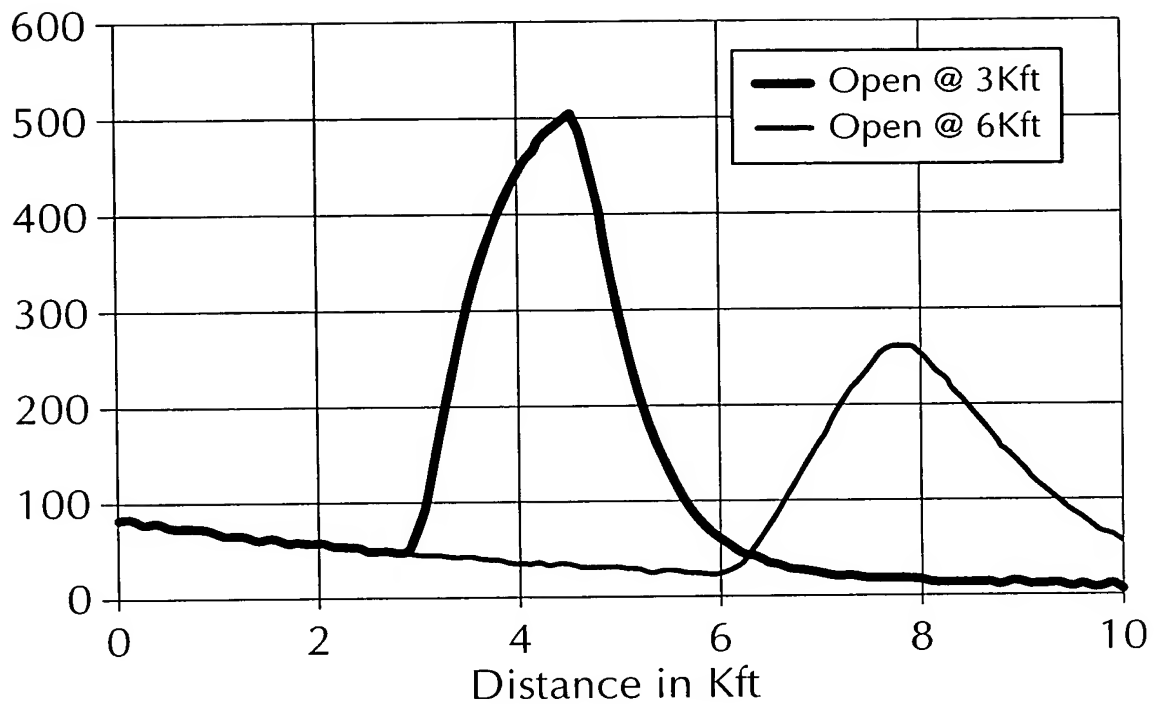


FIG. 13

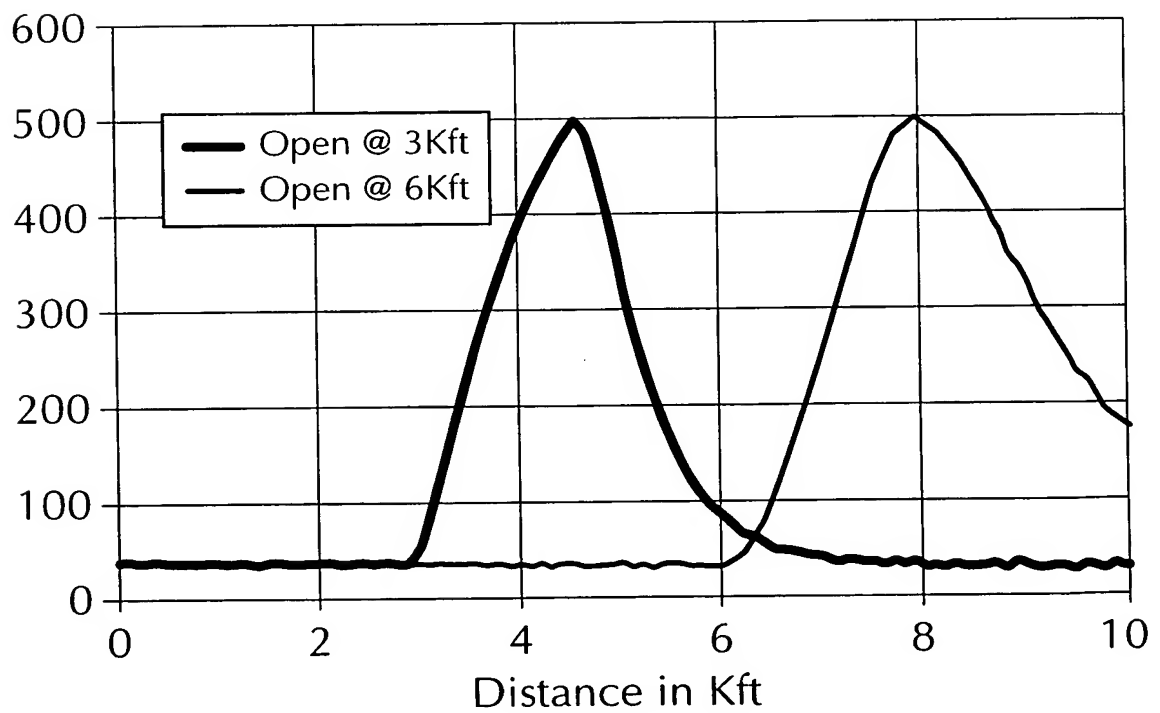


FIG. 14

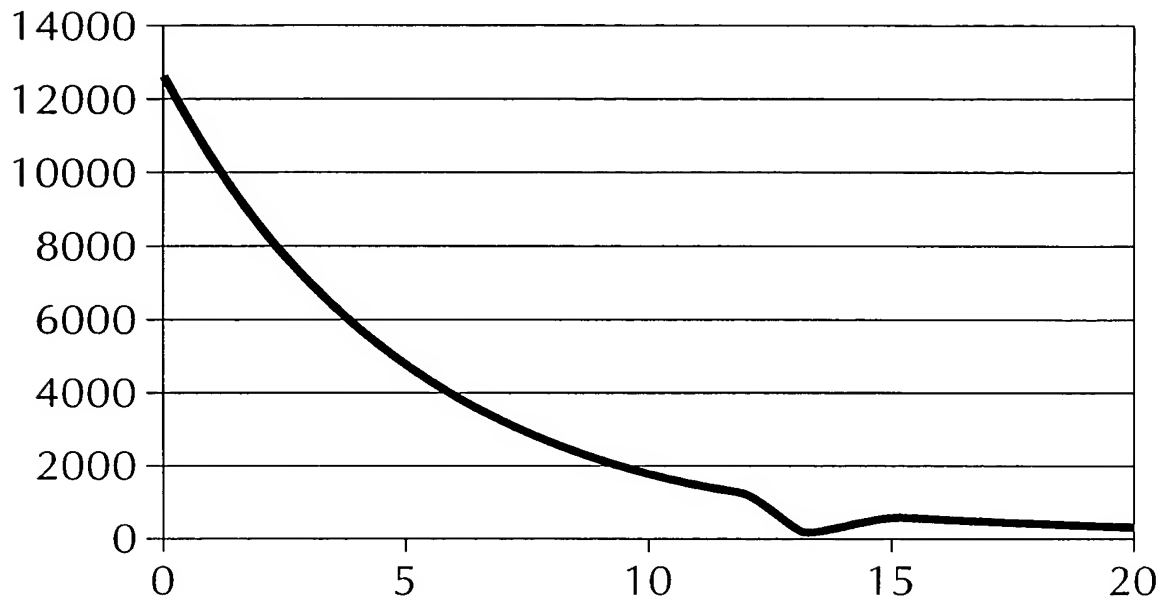
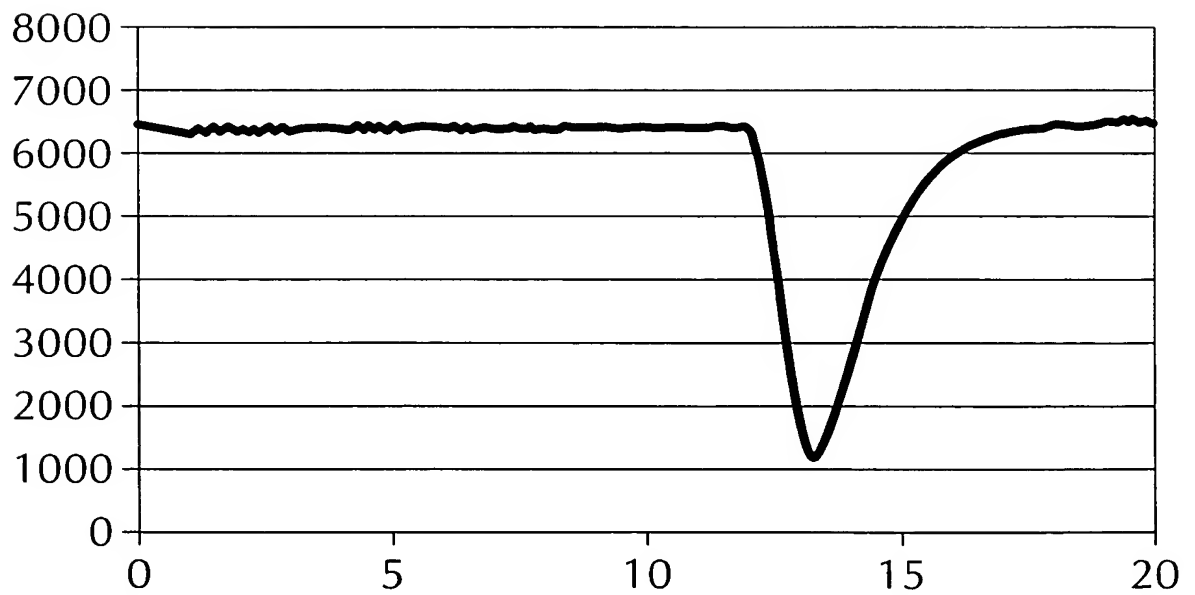


FIG. 15



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FIG. 16

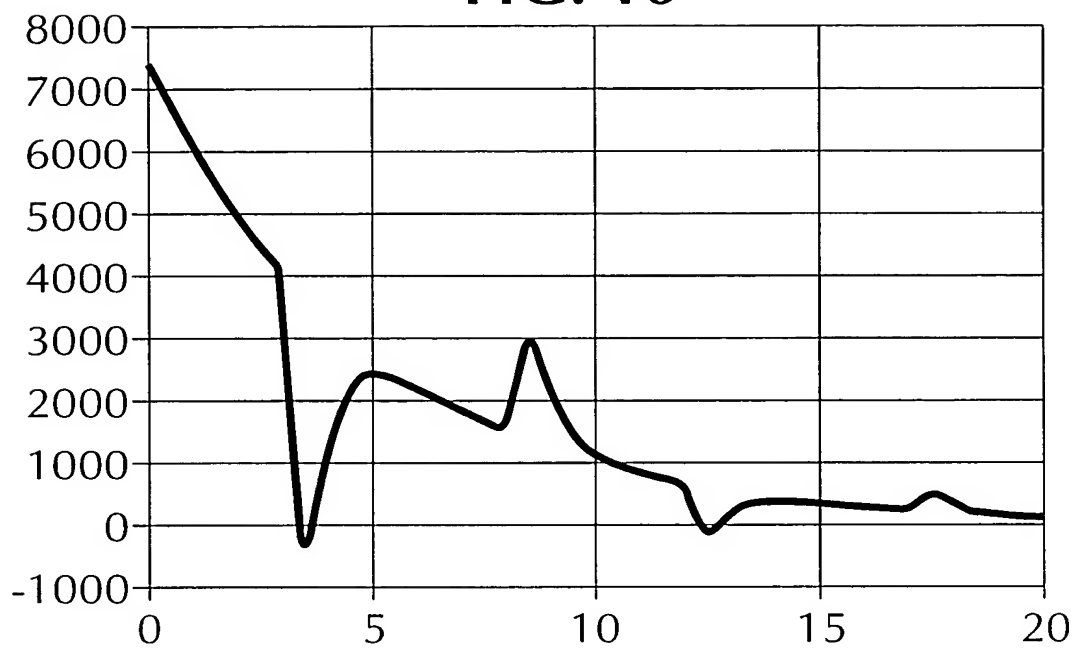
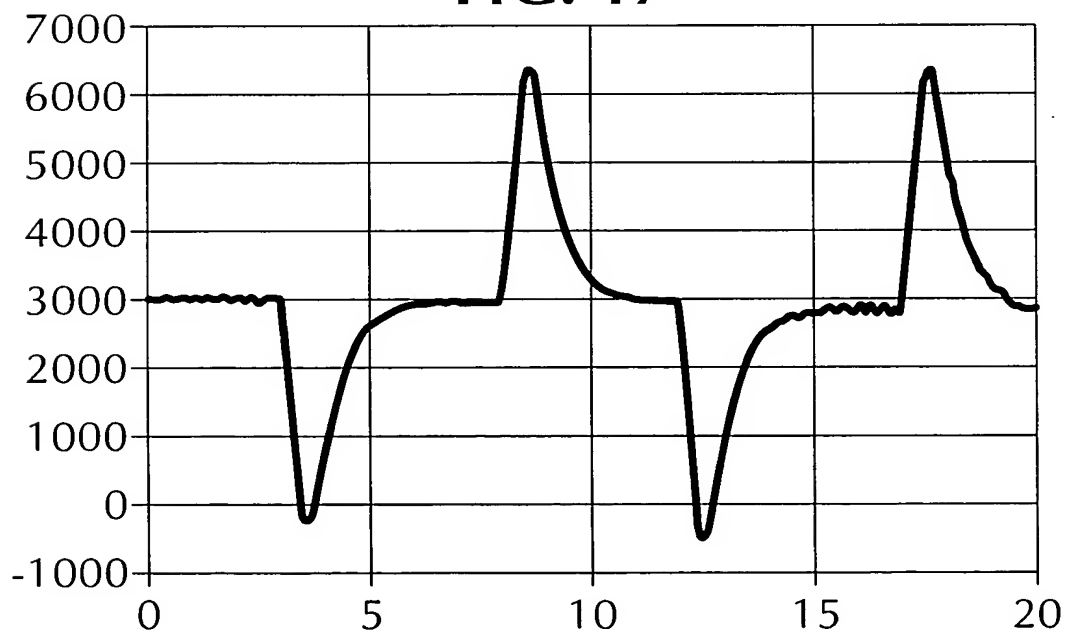


FIG. 17



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FIG. 18

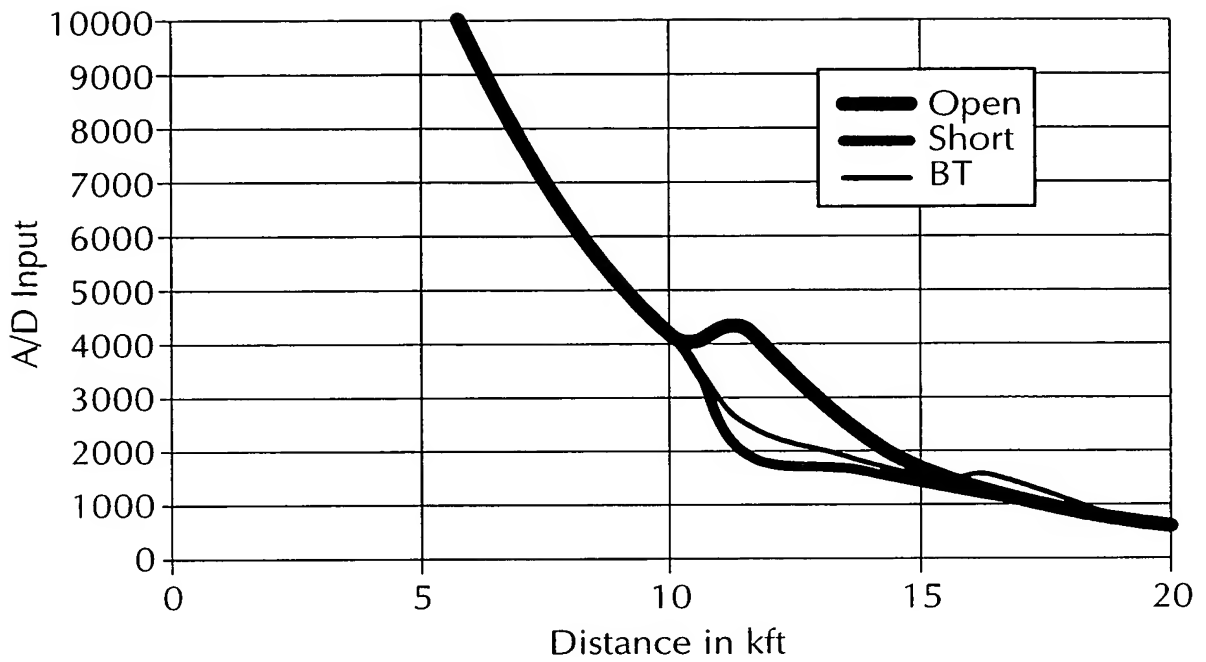


FIG. 19

